

SOUTH PRODUCTION NOTES

**November 29, 2013
Afternoon Shift**

**BASF EMPLOYEES
147 Last Recordable
166 Last Lost Time**

Alumina Gel and building 9 are regulated areas due to Vanadium

#1 MED A-520: Trial. Will resume on Monday.

#1 RC / A-520: Trial.

Exhaust to Trimer

Night Shift: No change.

Day Shift: No change.

#2 MED line/ D-0768: Finishing up last batch on the beginning of midnight shift.

Sample checked and OK, can resume.

Night Shift: 4 batches completed.

Day shift: no change, OK given to resume batches on #2 extruder. Will restart 3-11 shift.

#2 RC/ D-0768: A work order has been written to have a 5" dam installed on the calciner on Friday. We will need to get the screener set up soon.

Night Shift: Need to open for Dam install.

Day Shift: calciner opened and locked out for dam installation, hopefully Sat or Sun.

Screener was put together but will need to open to ensure all three screens installed (2 mesh oversize, 12 mesh fines and 3 mesh to granulator).

Exhaust to F1

Tank 7 / AMT Solution / D-1795: Tank is rinsed and toted off.

Afternoon shift: Tank was toted off and lines flushed.

Day Shift: no change.

Old Pfaudler D-1795: Done. Pfaudler will most likely need to be acid washed as we will be going back to precious metals.

Day Shift: no change, check to confirm if pfaudler was flushed out.

#3 MED Dryer / D-1795 NAQ: Feed all bags marked "C-1" and any material that is currently in totes to be fed to the dryer. Any bags that come off of the dryer from now until the end should be marked "C-1". After all of these are fed we can go back to the

other bags that are on the floor. See e-mail instructions from Bill Grodecki at the end of these shift notes.

#3 RC / D-1795 NAQ: : Feed all bags marked “C-1” and any material that is currently in totes to be fed to the dryer. Any bags that come off of the dryer from now until the end should be marked “C-1”. After all of these are fed we can go back to the other bags that are on the floor. See e-mail instructions from Bill Grodecki at the end of these shift notes.

Watch the feed rate on this calciner!

Exhaust to CTO

Night shift: Hung first bag of “C-1” material at 6am.

Day shift: C-1 bags all fed. Next are the regular bags, then the Chevron bags from lots 15 (1 full and 1 partial) and lot 18 (1 partial), and finally the 2 full bags that are marked contaminated (located near the elevator on the 2nd floor).

#4 RC / D-5206: Continue feeding as material available.

Exhaust to 4 DC

Night shift: No change.

Day shift: Restarted feeding, continue.

National Dryer / 5206 : Continue to feed as batches come from the abbe.

Night shift: Continued to feed.

Day shift: Continue to feed as material available.

Abbe Blender / D-5206: Ok to run on the off shifts and weekends and all day on Thursday. Leave down 1st shift on Friday.

Night shift: Continued making batches.

Day shift: Abbe did not run due to contractor activity in building. Continue on afternoon and night shift. NOTE: Saturday day shift contractors will be back and we will not be able to run 7-3 shift.

#5 RC / 1520: Calciner is running. Keep in mind that this is a regulated area. **Wear your respirators – Vanadium.**

Exhaust to Trimer

Night shift: Continued running with no issues.

Day shift: Continue on.

HC-11 Tanks / 1520: We need to finish the batch that is in tank 4 and get a sample to the lab in the morning. Batch 100 is in tank 6 and is empty.

Night shift: need to finish batch.

Day shift: Batch 101 sampled and OK'd by lab. 4 tank was transferred to 6 tank, need to make next batch in 4 tank. Schedule next tank make-up on 11-7 shift Friday night.

PK Blender / 1520: Continue to run. Remember this area is now regulated due to Vanadium. When we get to batch 101 we will need to change to unloading into different bags. They will be 67004945 or 906111. They will need to be cleaned and weighed. We will need to track these bags and weights on a sheet.

Night shift: Continued making batches/can continue after tank 4 is approved and moved to 6

Day shift: Solution tank was OK'd by lab and transferred to 6 tank. Ready for batches by Friday afternoon shift.

New Pfaudler / Cleaned for BE-0101: The next product will require an excellent clean up. The sheet is on Mike V's desk.

Night shift: Pfaudler clean up sheet has been completed/ lid has been installed.

Day shift: No additional actions. Will walk through Saturday morning as we may be ready to start first batches of BE 0101 by then. Plan is to make 2 batches only at this time, run the material through Tunnel Kiln #4 and wait for analysis out of the tunnel kiln before making more batches.

#6 DRYER - RC / clean for 0796: Will need to look over the dryer/calcliner as a final inspection and should have to just reassemble everything. The calcliner and dryer have been washed.

Exhaust to Sly Scrubber

Day shift: No change.

Tower 3 / Cu-0860: Loaded and running .

Night shift: No change.

Day shift: Continue.

Tower 6 / Cu-0860: Tower is loaded and running.

Night shift: Will come down Friday-late on day shift.

Day shift: Same plan.

Harrop Kiln - Al-3921 T 3/16": Continue running. The automatic pusher at the cool down zone in the Kiln still not working. It appears as if the clutch is disengaging while pushing carts. Work notification written for one of the blowers on the kiln (#5 blower stopped working). Still operable, but maintenance needs to see Tower operator for more information.

Night shift: Continued.

Day shift: Continue.

North Screener / Cu-0860: Continue on.

Night shift: Continued/8 totes left.

Day shift: continue

South Screener /E-406: on hold. If we continue to man the North screener on all shifts we should not have to switch this screener over to Cu0860.

Night shift: On hold.

Day shift: still on hold.

#2662 Pill Machine / Al-3917 3/16: Ran 1 side of the machine early on afternoon shift. After a new bag was hung, waiting for it to pack for an hour or so before starting both sides of the machine.

#2664 Pill Machine / Al-3917 3/16: Continue on running.

Night shift: see above/down due to manpower on night shift.

Day shift: Both machines running, no issues so far with the new bag of pill mix.

Tunnel Kiln #2 / Al-3921: Continue on.

Day shift: Continue feeding. May make a decision to stop by early next week, or finish feeding all of the bags (decision by Monday morning). As of mid-day Friday, 11 full bags and 1 partial to feed.

Tunnel Kiln #4 / BE-0101: Need to get the kiln whitewashed and saggars changed over on midnight shift. Night Shift: Temps coming up/should be high enough by 8am to start whitewashing.

Day shift: Whitewashing and changing saggars started on day shift, should continue into day shift on Saturday. See new pfadler information regarding first BE-0101 loads for Tunnel Kiln #4. Will also need to "steal" the Sweco screener from #2 kiln...to be determined when this will occur.

D-1795 Notes From Bill Grodecki:

A few things that we need to deal with in wrapping up D-1795 are (1) keeping D-1794 Lot 23/24 material separate and (2) running out the odds and ends. Here is the plan:

- I. D-1794 (base) lot 23, supersacks 13-15 and all of lot 24 were made with Catapal C1 in place of Catapal B. We have saved this for the end and the last 7 pfadler batches (starting Wednesday morning) will be this material. Please try to run this material without adding any other material to the calciner feed hopper. That way, D-1795 lot 32 will be completely the C1 material, which is what Chevron has asked for. I have talked to Sean, Andy, Bobby and Gary and they should all know. - **COMPLETED**
- II. After running the C1 material, run the remaining inventory on the floor. Run the overdried material anytime (3 supersacks left I think). Also, run the 1 supersack of underfired material anytime. - **WORKING ON THIS FRIDAY AFTERNOON**
- III. Next run the old material, Lot 15 oversize (1 and a partial supersack) and lot 18 partial supersack. Lot 15 was on the 1st floor by the cage and lot 18 was by the Gen Cat docks but Greg said he was moving it upstairs. Lot 15 oversize will be ok after going through the cutter. Lower the calciner temp if you want but we will have to raise it for the last part.
- IV. Last, run the two supersacks of contaminated material through the calciner. This is on the second floor by the #2 extruder. Since this has D-5206 G 5x8 in it, we will have to change the fines screen to a 5 mesh to get it out (use a 6 if you can't find a 5). Probably should separate the fines in case too much product gets through.
- V. Do not run the material in drums.
- VI.

We will start D-1794 NAQ again on line 3 next week -- no need to clean up.

Please call me if you have any questions or problems. I will be in town all weekend and am planning to come in Friday.

Thanks and have a Happy Thanksgiving!

Bill Grodecki

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